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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/996,718

11/30/2001

Won Uk Yu

P-0303

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01/13/2005

FLESHNER & KIM, LLP

P.O. BOX 221200

CHANTILLY, VA 20153

EXAMINER

PEARSON, YVETTE B

ART UNIT

PAPER NUMBER

2144

DATE MAILED: 01/13/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/996,718

Applicant(s)

YU, WON UK

Examiner

Yvette Pearson

Art Unit

2144

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on November 30, 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1 - 16 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1 - 16 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
 - 2) ☐ Certified copies of the priority documents have been received in Application No. _____.
 - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 1-16 are presented for examination in the application.

Acknowledgment is made of applicant's claim for foreign priority under 35

U.S.C. 119(a)-(d). The certified copy has been filed in parent Application No.

09/996,7186, filed on November 30, 2001.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1 - 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Enomoto et al (US 6,026,435) in view of Zhang et al (US 6,119,160).

4. With respect to Claims 1, 2 and 7, Enomoto discloses a method for using an Internet TV in an Internet TV system in which the Internet TV is combined with the function of receiving a TV broadcast (Column 3, Lines 35 – 40) and is connected to a portal site for providing information to the Internet TV (Column 7, Lines 52 – 53;

Figure 2), but fails to specifically teach a process to administer request authentication with the portal server for the transmission of information to the Internet TV. However, Zhang teaches a method to initiate a user authentication process and to utilize an Internet protocol to provide various gateway service options for computer network access (Column 2, Lines 20 – 23, 36 – 40.) As such, Zhang discloses a host application which initiates access to the network access point (*Internet state*) and receives user information, whereby the user information may be stored on the host computer or an external web server to be applied automatically (Column 3, Lines 64 – 67; Column 4, Lines 1 – 5, 9 – 15.) Specifically, Zhang discloses a communication protocol, which receives the user information and confirms user authentication such to connect to the internet sites available to the user ([services available] Column 4, Lines 16 – 35; Figure 2A.)

Therefore, it would have been obvious to one having ordinary skill in the art having the teachings of Enomoto and Zhang before one at the time of the invention to teach Enomoto's method of accessing the Internet using an Internet TV system and to include Zhang's method to regulate internet connection processes because Zhang's process would allow the monitoring of connection services while the Internet TV (host) is connected to the Internet ([various private and public network domains] Column 3, Lines 36 – 38, 25 – 28.) The combination would teach an Internet TV system with mechanized connection and initiation processes for greater Internet accessibility.

5. With respect to Claims 3 – 6, 8 - 10, 13, 14 and 16, the combination of Enomoto and Zhang discloses the Internet TV system wherein access to the network computer is

initiated by the user (Internet state), such that the user request is received, authenticated and response-communicated by the portal server to provide allowable access to the requested websites. Therefore, the claims are rejected for the same reasons as above.

6. With respect to Claims 11 and 15, Enomoto discloses the Internet TV system as claimed above (Figure 2), but fails to specifically teach a method to determine whether a user fee is paid prior to transmitting Internet TV information. However, Zhang discloses a similar method whereby the network access point maintains a Service Selection Gateway ([SSG] Figure 1, #20) and an Authentication, Authorization and Accounting server ([AAA] (Figure 1, #22) that determine account logon and service establishments that are to be accounted for when a user accesses a network (Column 2, Lines 16 – 26.) This multiple-level accounting protocol supports the implementation of Internet services that charge on a pay-per-use basis (Column 2, Lines 7 – 12.)

Therefore, it would have been obvious to one having ordinary skill in the art having the teachings of Enomoto and Zhang before one at the time of the invention to teach Enomoto's method of accessing the Internet using an Internet TV system; and to include Zhang's process to verify user fee payments of registered users (Column 2, Line 36 – 40.) The combination would teach an Internet TV system that utilizes standard Internet protocols providing featured accounting services.

7. With respect to Claim 12, Enomoto discloses the Internet TV system as claimed above (Figure 2), but fails to specifically teach a 'check sum' method. However, Zhang discloses a similar process whereby the user host is required to enter some form of

information during the registration procedure, which may be *formed of the model name, the manufacturing year, and the manufacturing month of the Internet TV* ([user identification and authentication information] Column 3, Lines 66 – 67; Column 4, Lines 1 – 3), such that this information is matched against the unique user profile in memory to verify the authenticity of the user host (Column 4, Lines 19 – 23.)

Therefore, it would have been obvious to one having ordinary skill in the art having the teachings of Enomoto and Zhang before one at the time of the invention to teach Enomoto's method of accessing the Internet using an Internet TV system and to include Zhang's process of establishing authentication information because Zhang's method provides that the user (host) generates the login information submitted to the authentication server ([initial network account logon] Column 3, Lines 23 – 28) which effectively allows many methods of authentication implementation such that *the generation of the 'check sum' error are various*. The combination would teach an Internet TV system that utilizes host-unique authentication processes.

Conclusion


8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure US 6,154,741, (Feldman).

Feldman discloses a method of an Access Control System for managing access to resources over a computer network.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yvette Pearson whose telephone number is 571 272-4227. The examiner can normally be reached on 9:00am-5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bill Cuchlinski can be reached on 571 272-3925. The fax phone number for the organization where this application or proceeding is assigned is 571-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



WILLIAM A. CUCHLINSKI, JR.
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600